



CAF Testing: HDD into VOIED

Counter-Improvised Threat Collaboration Center

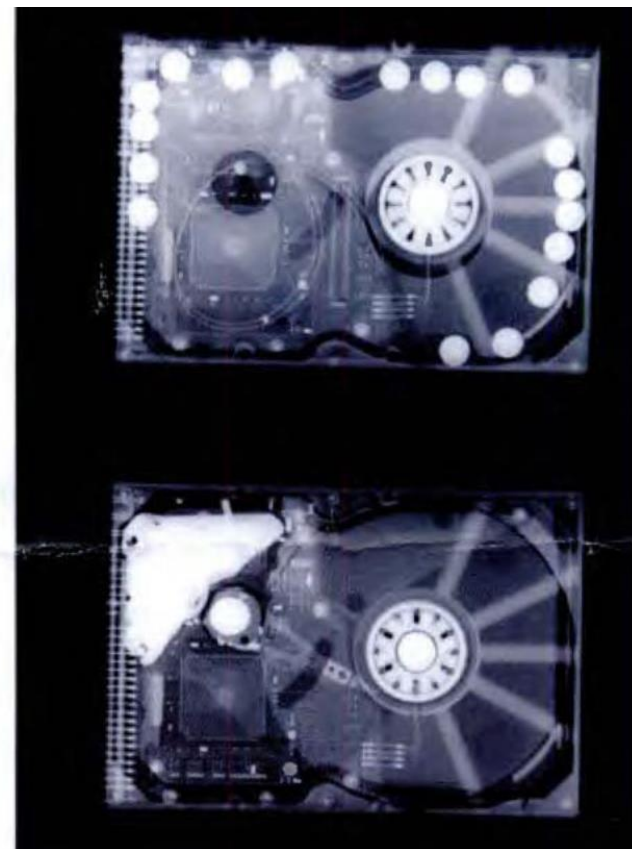


- Trial was designed to replicate reporting of a VOIED hidden within a Portable/External HDD in Australia in 2013.



Inside of a HDD

IED Rigged HDD



Commercial
Version,
unmodified

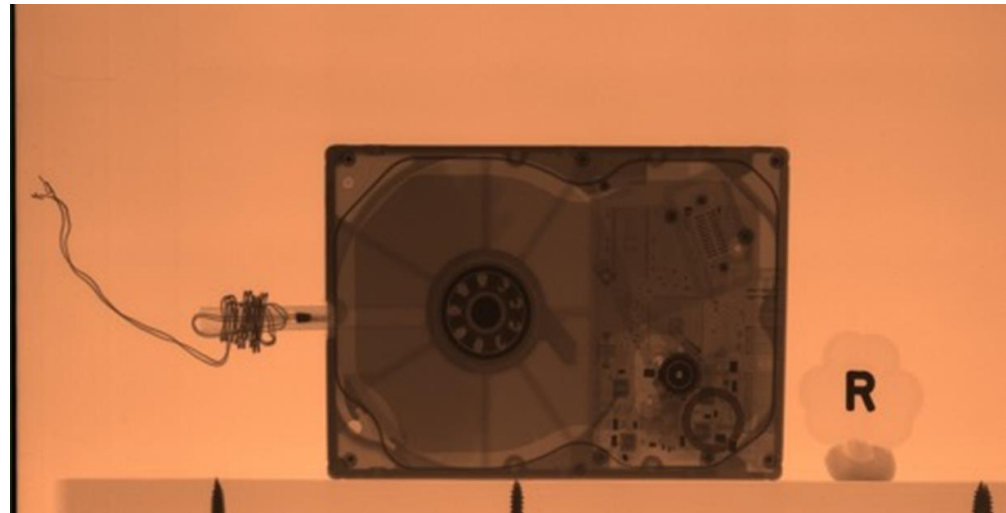




Trial

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- L2EC Variant: 104g C4 w/ Comm Det. No additional fragmentation aside from container itself.



For EOD Safety, the Det was required to be external to the main charge (misfire)



Trial Before

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Trial After

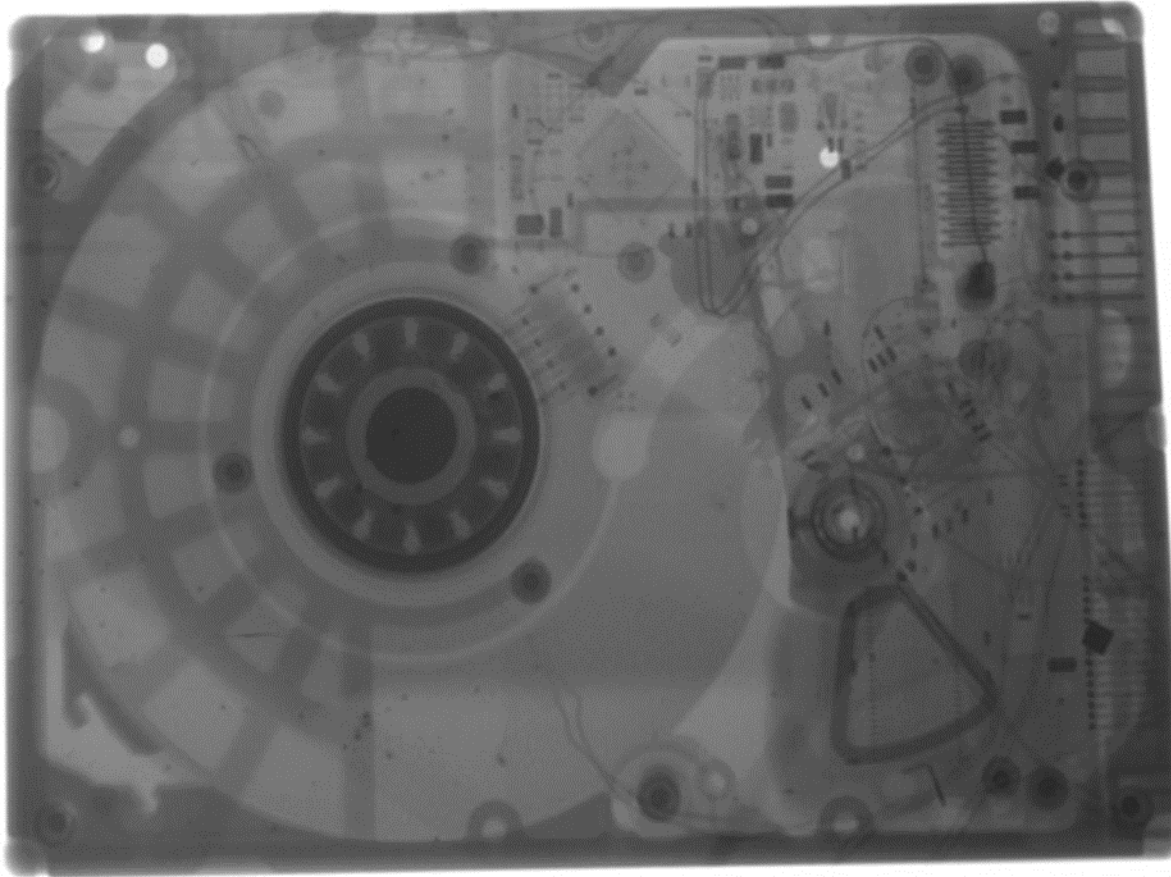
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Final makeup

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Can YOU find the C4 and DET?



THREAT/IMPACT

Threat:

- Portable HDD are routine and commonplace. Due to their abundance in 'normal' life they can be overlooked as a threat.
- The ability to transform a portable HDD into a VOIED using the standard USB power is relatively easy to do.
- This has the potential to be very effective as a VOIED, or a method for smuggling explosives into sensitive areas.

Impact:

- With a little care in manufacturing this VOIED can be made to resemble a standard portable HDD. This would result it not drawing undue attention during transport and deployment.

Recommendation: Consider further tests to determine viability of current XRAY deceives used (military and airport security) to spot the explosives. In addition the possibility of something like this should be transmitted through any community that may be interacting with caches.



Questions?

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